

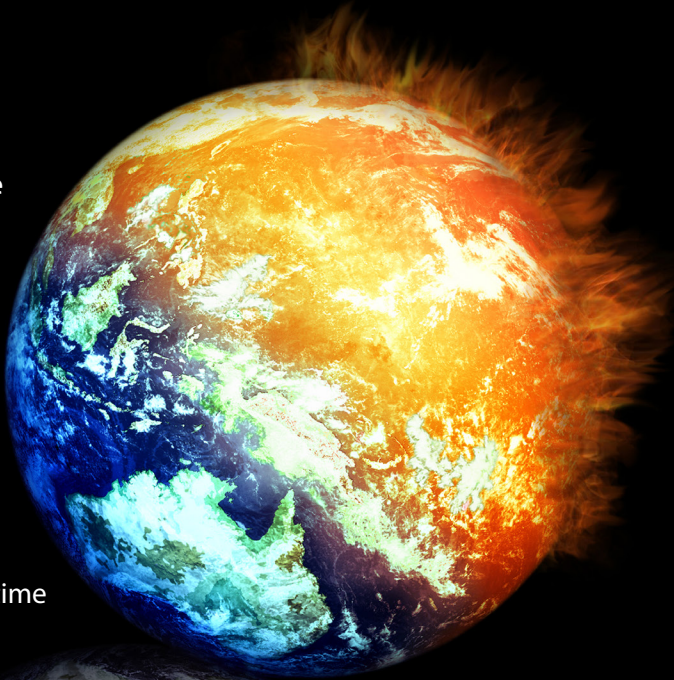
The John J. Reilly Center for Science, Technology, and Values,  
the Center for Social Concerns, and the Environmental Change Initiative present

# Climate Change and the Common Good: Security, Sustainability, Policy

**April 8–10, 2013**

University of Notre Dame

International Leaders  
The Challenge of Our Lifetime  
Join Us



# Climate Change and the Common Good: Security, Sustainability, Policy

**April 8–10, 2013**

Notre Dame Conference Center

McKenna Hall

University of Notre Dame

*All events are in the Notre Dame Conference Center  
in McKenna Hall, unless otherwise noted.*

## Dear Colleagues:

Welcome to Climate Change and the Common Good: Security, Sustainability, Policy. This conference brings together students, faculty and staff of the University of Notre Dame with speakers and guests from the community and around the world. We aim to understand climate change and learn to address it using ethical, religious, and social lenses. We are happy that you have come, and we invite you to share your insights and concerns during these three days.

Human-caused climate change is a complex and urgent problem. Since the Industrial Revolution, we have been releasing ever-greater amounts of CO<sub>2</sub> and other greenhouse gases into the earth's atmosphere. This is causing steady temperature increases. Polar ice is melting, and sea levels are rising; storms and droughts have increased; crops, crucial species, and ecosystems are threatened.

To build well-informed and practical responses to this situation, we have assembled a three-day conference to explore the science of climate change; the ethical requirement to respond to this complex situation; and the practical considerations of adaptability, sustainability and national and international security. Notre Dame is a university guided by Catholic principles that compel us to show concern for creation and suffering peoples. Global warming is hardest on the poor of the global south and has begun already to displace communities least able to adapt to changing conditions. Pope Francis acknowledged this in his first homily: "Please, I would like to ask all those with positions of responsibility in economic, political, and social life, and all men and women of goodwill: Let us be protectors of God's creation, protectors of God's plan inscribed in nature, protectors of one another and of the environment."

This conference has received the generous support of numerous colleges and institutes across the University. We are grateful for the support of the John J. Reilly Center for Science, Technology, and Values, the Environmental Change

Initiative, and the Center for Social Concerns in particular. We hope that this conference is just the beginning of a conversation at Notre Dame and that it will impel all of us to work harder to defend and protect life on the planet.

## Conference Organizers

Ani Aprahamian, Professor,  
Physics

Heather Asiala, Program  
Associate, Environmental Change  
Initiative

Jessica Baron, Outreach and  
Communications Coordinator,  
Reilly Center for Science,  
Technology, and Values

Jessica Hellmann, Associate  
Professor, Biological Sciences

Rachel Novick, Education and  
Outreach Program Manager,  
Office of Sustainability

Suzi Spitzer, Notre Dame Class  
of 2013, Biological Sciences and  
Anthropology

Robin Darling Young, Associate  
Professor, Theology

## Conference Sponsors:

Center for Social Concerns

Center for Sustainable Energy

College of Arts and Letters

College of Engineering

College of Science

Cushwa Center for the Study of  
American Catholicism

Department of Theology

Environmental Change Initiative

Kroc Institute for International  
Peace Studies

Institute for Advanced Study

Institute for Scholarship in the  
Liberal Arts

Office of the Provost

Office of Sustainability

Office of the Vice President for  
Research

Reilly Center for Science,  
Technology, and Values

School of Architecture

## MONDAY, APRIL 8

### THE SCIENCE OF CLIMATE CHANGE

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8 a.m.	Registration Opens	
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8–9 a.m.	Continental Breakfast	Atrium
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8 a.m.	<b>Poster Session Opens</b>	Rooms 210–214
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9 a.m.	<b>Opening Remarks</b>	
	Robert J. Bernhard, Vice President for Research, University of Notre Dame	

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9:15–10:15 a.m.	<b>A Practical Approach to Slowing Down Climate Change in Our Lifetime</b>	
	V. “Ram” Ramanathan, Distinguished Professor of Atmospheric and Climate Sciences, Scripps Institution of Oceanography, University of California, San Diego	

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10:15–10:45 a.m.	Coffee Break	
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10:45–11:45 a.m.	<b>The National Climate Assessment</b>	
	Nancy Grimm, Senior Sustainability Scientist, Global Institute of Sustainability, Arizona State University	

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11:45 a.m.–1 p.m.	Lunch	Conference Center Lower Level
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1–2:10 p.m.	<b>Panel Discussion: Science Is Not a Special Interest</b>	
	James Elser, Distinguished Sustainability Scientist, Global Institute of Sustainability, Arizona State University	
	Jessica Hellmann, Professor of Biological Sciences, University of Notre Dame	
	Nancy Grimm, Senior Sustainability Scientist, Global Institute of Sustainability, Arizona State University	
	Moderator: Ani Aprahamian, Professor of Physics, University of Notre Dame	

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2:20–3 p.m.	<b>Climate Change in Urban Areas</b>	
	Joe Fernando, Professor of Civil Engineering and Geological Sciences, University of Notre Dame	

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3:00–3:30 p.m.	Coffee Break	
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3:30–4:30 p.m.	<b>The Long Thaw: How Humans Are Changing the Next 100,000 Years of Earth’s Climate</b>	
	David Archer, Professor of Geophysical Sciences, University of Chicago	

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4:30–5 p.m.	<b>Q&amp;A on Science of Climate Change</b>	
	With select speakers from Monday session Questions can be submitted throughout the day on Monday via Twitter to @ClimateND Moderator: Jessica Hellmann, Associate Professor, University of Notre Dame	

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5:15 p.m.	<b>Mass</b>	
	Celebrated by Fr. Paul Kollman, C.S.C. Basilica of the Sacred Heart	

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8 p.m.	<b>Film Screening: <i>Sun Come Up</i></b>	
	Montgomery Auditorium, LaFortune Student Center Discussion to follow led by Daniel Misleh, Executive Director, Catholic Coalition on Climate Change	

## TUESDAY, APRIL 9

### ETHICS, SOCIAL JUSTICE, AND THE COMMON GOOD

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8:30–9 a.m.	Continental Breakfast	Atrium
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8:30 a.m.	<b>Poster Session Opens</b>	Rooms 210–214
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9–9:15 a.m.	<b>Opening Remarks</b>	
	Rev. William M. Lies, C.S.C., Vice President for Mission Engagement and Church Affairs, University of Notre Dame	

9:15–10:15 a.m.	<b>Jane Austen vs. Climate Economics</b> Stephen M. Gardiner, Professor, Department of Philosophy and the Program on Values in Society, University of Washington
10:15–10:45 a.m.	Coffee Break
10:45 a.m.–12 p.m.	<b>Graduate Student Panel Discussion: Climate Change, Destruction, and the Catholic Imagination</b> <i>Mourning and Repentance</i> , Daniel Castillo, Doctoral Candidate, University of Notre Dame <i>Bearing the Weight of Salvation</i> , Elizabeth Pyne, Doctoral Candidate, Fordham University <i>Hope and the Catholic Imagination</i> , Matthew Whelan, Doctoral Candidate, Duke University
12–1 p.m.	Lunch                      Conference Center Lower Level
1:15–2:15 p.m.	<b>Climate Change and Catholic Social Teaching</b> Celia Deanne-Drummond, Professor of Theology, University of Notre Dame
2:15–2:45 p.m.	Coffee Break
3–5 p.m.	<b>Panel Discussion: Practical and Theological Responses to Climate Change</b> Daniel Misleh, Executive Director, Catholic Coalition on Climate Change Elizabeth Gropp, Associate Professor of Theology, Xavier University Anselma Dolcich-Ashley, Postdoctoral Scholar of Theology, University of Notre Dame
7 p.m.	<b>Film Screening: <i>Switch</i></b> 101 Jordan Hall Faculty panel discussion to follow

## WEDNESDAY, APRIL 10

### POLICY AND ACTION ON CLIMATE CHANGE

8:30–9 a.m.	Continental Breakfast	Atrium
8:30 a.m.	<b>Poster Session Opens</b>	Rooms 210–214
9–9:15 a.m.	<b>Opening Remarks</b> From conference organizers	
9:15–10:15 a.m.	<b>An Inconvenient Mind: The Mental Barriers to Confronting Climate Change</b> Andrew Revkin, Author of Dot Earth Environmental Blog, <i>The New York Times</i>	
10:15–10:45	Coffee Break	
10:45–11:45 a.m.	<b>Science in the Age of Scrutiny: Telling the Truth About Climate Change</b> Andrew Rosenberg, Director, Center for Science and Democracy, Union of Concerned Scientists	
11:45 a.m.–12:45 p.m.	Lunch Break	(on your own)
12:45–1:30 p.m.	<b>The Natural Step for Colleges and Universities</b> Mike Keen, Professor of Sociology and Director, Center for a Sustainable Future, Indiana University, South Bend	
1:30–2:30 p.m.	<b>Solving the Right Problem: Science, Values, and Adapting to Climatic Change</b> Jennie Hoffman, Adaptation Consultant, Former Senior Scientist, EcoAdapt, and Project Officer for Climate Change Adaptation, World Wildlife Fund	
2:30–2:45 p.m.	Coffee Break	

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2:45–4 p.m.

**National Security and Climate Change: Threat or Opportunity?**

David Titley, Rear Admiral U.S. Navy [Ret], Former Chief Operating Officer, National Oceanic and Atmospheric Administration (NOAA)

**Response:** Robert Latiff: Major General U.S. Air Force [Ret], Adjunct Professor, Reilly Center for Science, Technology, and Values, and Research Professor, George Mason University

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4–5 p.m.

**From Me to We: The Changes Required to Address the Climate Crisis**

Bob Doppelt, Executive Director, The Resource Innovation Group

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5–5:15 p.m.

**Closing Remarks**

Rev. Paul Kollman, C.S.C., Director of the Center for Social Concerns, University of Notre Dame

[reilly.nd.edu](https://reilly.nd.edu)

[socialconcerns.nd.edu](https://socialconcerns.nd.edu)

[environmentalchange.nd.edu](https://environmentalchange.nd.edu)

All talks will be videotaped and available at [climatechange.nd.edu](https://climatechange.nd.edu) after the conference.

